

Chartwell D-525.3

TECHNICAL DATA

ADHESION PROMOTERS

GENERAL DESCRIPTION:

A carboxy functional organic adhesion promoter synthesized using a **STABILIZED BIMETAL PRE-CURSOR**. The product is supplied in dipropylene glycol/ propylene glycol to aid in rapid dispersion and solubilization in most high solids coatings.

PHYSICAL PROPERTIES:

Physical form	Clear liquid
Color	pale yellow
Metal content (Total %)	5.2 - 5.9
Complexed organics	9.1 - 9.3
Specific gravity (g/ml)	1.14
pH (2% soln)	3.80
Active matter (wt %)	25.3
Solvent	dipropylene glycol, propylene glycol
Organofunctionality	carboxy

APPLICATION:

(1) Coatings: Recommended for enhancing adhesion of high solid polyester melamine, acrylic melamine, and alkyd melamine crosslinked coatings to all metals. Also observed are improved salt fog resistance and reduced coating surface defects due to poor metal preparation and washing.

(2) Pigment dispersion: Recommended for pigment dispersion of difficult to disperse pigments, i.e. phthalo blue/ green, carbon black, etc. Also for all inorganic pigments, conductive pigments, and mineral fillers.

PROCEDURE: HIGH SHEAR MIXING NECESSARY IN ALL SOLVENT-BORNE SYSTEMS

1. Add to grind stage at 1.0-2.0 phr. Disperse in resin and solvent before addition of melamine if possible. Optimum performance is achieved when added directly to the grind stage resin and high shear mixed for 15 mins before adding other components. **Must be high shear mixed with a Cowles type mixer. Milling alone is not sufficient.**

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